

	10	20	30	40	50	60	70	80	90	100	110	120
-K-----	-A-K-----	-RRVITGMGVVSPGLGHVDVFNYNLLSGESGISLDR-----	-FDASKFPTRIAGEIKS-----	-FSTDGY-IDPK-----								
At KASI.pro	IS-----	-A-----	-GASTVSAPKRETDPK--	-KRVTITGMGLVSVGNVDVAYEKLSSGESGISLDR-----	-FASKFPTRFQGGIRG-----	-FSSEGY-IDK 81						
Br Kas 50.pro	-----	-A-----	-SSAVSAPKRETDPK--	-KRVTITGMGLVSVGNVDVAYEKLSSGESGISLDR-----	-FASKFPTRFQGGIRG-----	-FSSEGY-IDK 79						
Ch Kas I .pro	-----	-A-----	-SSTVAAALELVDPPCCRNARA-----			-24-----						
Ch KASI-1.pro	KL-----	-TLTKGKS-----	-WSSTVAAALELVDPPCCRNARAGMLVSVFGSDVSVYKLLSGESGISLDR-----	-FASKFPTRFQGGIRG-----	-FNATGY-IDK 91							
Cpu Kas I .PRO	RA-----	-A-----	-SPTVSAPKRETDPK--	-KRVTITGMGLVSVFGSDVAYDKLLSGESGIGPIDR-----	-FASKFPTRFQGGIRG-----	-FNSMGY-IDK 80						
cpuKASI-1.PRO	RA-----	-A-----	-TASAPKRESDPK--	-KRVTITGMGLVSVFGSDVAYDKLLSGESGISLDR-----	-FASKFPTRFQGGIRG-----	-FNATGY-IDK 78						
Hv Kas12.pro	-----	-A-----	-TSAAPORETDPR--	-KRVTITGMGLVSVFGSDVDFYDRLLAGESGVGIPDR-----	-FASKFPTRFQGGIRG-----	-FSSEGY-IDK 75						
RcKas50.pro	NN-----	-A-----	-NTTISAPKREKDPK--	-KRVTITGMGLVSVFGSDVDTYDKLLAGESGISLDR-----	-FASKFPTRFQGGIRG-----	-FNSQGY-IDK 79						
Cc Kas.pro	-----	-A-----	-KRETDPK--	-KRVTITGMGLVSVFGSDIDFNYNLLDGGQSGISLDR-----	-FASKFPTRFQGGIRG-----	-FSSEGY-IDK 70						
Ch Kas IV-1.pro	KK-----	-K-----	-PSIKQ-----	-RRVVTGMGVVTPLGHDPDVFNYNLLDGTSGISEIET-----	-FDCAQFPTRIAGEIKS-----	-FSTDGW-VAPK 71						
Ch KASIV.pro	NK-----	-K-----	-PATKQ-----	-RRVVTGMGVVTPLGHDPDVFNYNLLDGTSGISEIEN-----	-FDCSQFPTRIAGEIKS-----	-FSTDGW-VAPK 71						
Cpu KASIV.pro	KK-----	-K-----	-PSIKQ-----	-RRVVTGMGVVTPLGHDPDVFNYNLLDGTSGISEIET-----	-FDCAQFPTRIAGEIKS-----	-FSTDGW-VAPK 71						
Cw KASA-1.pro	KK-----	-K-----	-PVIKQ-----	-RRVVTGMGVVTPLGHDPDVFNYNLLDGTSGISEIET-----	-FDCSQFPTRIAGEIKS-----	-FSTDGW-VAPK 71						
Cw KasA-2.pro	KK-----	-K-----	-PVTQK-----	-RRVVTGMGVVTPLGHDPDVFNYNLLDGTSGISEIET-----	-FDCSQFPTRIAGEIKS-----	-FSTDGW-VAPK 71						
Hv KasORF22(KAS I)	KK-----	-R-----	-PDVKQ-----	-RRVVTGMGVVTPLGHDPDVFNYNLLDGHSGISEIET-----	-FDCSQFPTRIAGEIKS-----	-FSTDGW-VAPK 71						
Hv KasORF25(KAS I)	NN-----	-K-----	-SETKQ-----	-RRVVTGMGVVTPLGHDPEFVFNLLQGVSVSEIEA-----	-FDCSQFPTRIAGEIKS-----	-FSTDGW-VAPK 71						
RcKas46.pro	NK-----	-K-----	-PLMKQ-----	-RRVVTGMGVVSPLGHDIDVFNYNLLDGTSGISQIDS-----	-FDCAQFPTRIAGEIKS-----	-FSTDGW-VAPK 71						
Ce.KAS.PRO	MK-----	-LKINKN-----	-FEM-----	-RRVITGMGALSFFGVTVNALPGLNGRSGL-----	-KYDEILKFVXGAVPGERVEDRWSTGQOREMSKASMFVLAAS 84							
CEM.pro	MS-----			-RRVITGLCVTPLGRSLSESNGNLLSSKNGLTPITSLPNYEDYKLRKSIPTITV/GKIPENFQENSAINFLLFTSQ 83								
Ec Kas II.pro	-----		-MSK-----	-RRVVTGLGLMLSPVGNVVESTWKALLAQSGISLIDH-----	-FDCSQFPTRIAGEIKS-----	-FNCEDI-1SRK 66						
Ec KasI.pro	M-----			-KRAVITGLGIVSSIGNNQOEVLASLREGRSGITFSQE-----	-LKDGMRSRHWGNVK-----	-LDTTGL-IDRK 63						
M.tub.KasA.pro	MSQP-----	-STANGG-----		-FPSVVVTAVTATISIPDIESWKGLLAGESGITHALED-----	-EFVTKWDLAVKIGGHLLK-----	-DPVDSHMGR 75						
M.tub.KasB.PRO	MGVP-----	-PLAGASRTDM-----		-EGTFARPMTTELVTGKAFPPVVVVTGIMATTALATDAETTWKLLLDQRSGIRTLDD-----	-PFVEEFDLPVRIGGHLL-----	-EEFDHQLTRI 95						
Rat. Kas.PRO	-----		-SRASQRRAMEEVITAGMSGKLPESENLOEFWANLIGGVDMVTDDDR--	-RWKAGL-----	-YGLPKR-SGKLKDL--	-SKFDASFFGVHPK 79						
RtNode.pro	MD-----			-RRVITGIGGLGGLGTNAASIWKEMREGPSAISPIT-----	-TOLYDLEGTVGLEIK-----	-AIP-EHDIPRK 64						
StreppPolyk.pro	VN-----			-RRVITGIGVAPGAVGTPKFWELLSSCTTATRAIST-----	-FDATEPFRSRIAECED-----	-FDPVAAGLSAE 65						
SYN KAS.pro	-----		-MANLEK-----	-KRVVVTGLGATTPIGNTLQDYWQGLMEGRNGIGIPTR-----	-FDATEPFRSRIAECED-----	-FDATEPFRSRIAECED-----						
V.pro	SDYHNFHFNKAVARPLFFCLFWRTSVANN-----			-RRVITGLGIVSPVGNVATAWEAIAKSGISGIEINIEH-----	-FDTTNFSTKFAGLVND-----	-FDTTNFSTKFAGLVND-----						

Figure 12-1

At KAS1.pro
 Br Kas 50.pro
 Ch KAS I .pro
 Ch KAS1-1.pro
 Cpu KAS I.pro
 CpuKAS1-1.pro
 Hv Kas12.pro
 RkKas50.pro
 Cc Kas.pro
 Ch KAS IV-1.pro
 Ch KASIV.pro
 Cpu KASIV.pro
 Cw KASA-1.pro
 Cw Kasa-2.pro
 Hv Kas0P22 (KAS I)
 Hv Kas0P25 (KAS I)
 RkKas46.pro
 Ce.KAS.PRO
 CEM.pro
 Ec KAS II.pro
 Ec KasI.pro
 M.tub.KasA.pro
 M.tub.KasB.PRO
 Rat. Kas.PRO
 RtNode.pro
 Streppolyk.pro
 SYN KAS.pro
 V.pro
 NRRMDDFRYCIVACKFALEDAGLE--D-LSEL-----DKERAGVLIG--SEMGLKVFSDGVLEAL-EKG-----YFKISPPFFPIVATITMGSALLAIDLGLMGPNYISITACATSNY
 NEPRLDLCLVACIVAGFALESANLGG--DKLNTI---DKRAGVLVG--TEMGLTVFSDGVQNLIEKG-----HFKISPPFFPIVATITMGSALLAIDLGLMGPNYISITACATSNY 187
 NEPRLDLCLVACIVAGFALESANLGG--DKLNTI---DKRAGVLVG--TEMGLTVFSDGVQNLIEKG-----HRRISPPFFPIVATITMGSALLAIDLGLMGPNYISITACATSNY 185
 -----DLGA--DRLSKI---DKERAGVLVG--TEMGLTVFSDGVQNLIEKG-----HRRITPFFPIVATITMGSALLAIDLGLMGPNYISITACATSNY 106
 NDRRLDDCLVACIVAGFALESANLGG--ESLSKI---DKRAGVLVG--TEMGLTVFSDGVQNLIEKG-----HFKISPPFFPIVATITMGSALLAIDLGLMGPNYISITACATSNY 197
 NEPRLDLCLVACIVAGFALESANLGG--DRLSKI---DKRAGVLVG--TEMGLTVFSDGVQNLIEKG-----HRRITPFFPIVATITMGSALLAIDLGLMGPNYISITACATSNY 186
 NDRRLDDCLVACIVAGFALESANLGG--QSLSKI---DKRAGVLVG--TEMGLTVFSDGVQNLIEKG-----HFKISPPFFPIVATITMGSALLAIDLGLMGPNYISITACATSNY 184
 NDRRLDDCLVACIVAGFALESANLGG--QSLSKI---DKRAGVLVG--TEMGLTVFSDGVQNLIEKG-----YFKISPPFFPIVATITMGSALLAIDLGLMGPNYISITACATSNY 183
 NDRRLDDCLVACIVAGFALESANLGG--DKLSKI---DKRAGVLVG--TEMGLTVFSDGVQNLIEKG-----HRRITPFFPIVATITMGSALLAIDLGLMGPNYISITACATSNY 185
 NDRRLDDCLVACIVAGFALESANLGG--QVLDYTM---DKRAGVLVG--TEMGLTVFSDGVQNLIEKG-----YFKINPFFPIVATITMGSALLAIDLGLMGPNYISITACATSNY 176
 LSKRMDKFMVLTAGKALADGGITE--DVMKEL---DKRAGVLIG--SAMGMKVFNDIAEAL-RIS-----YFKMNPFCVFPFATTNNMGSALLAIDLGLMGPNYISITACATSNY 176
 FSERMDKFMVLTAGKALADGGITE--DAMKEL---DKRAGVLIG--SGLGMKVFSDSIEAL-RTS-----YFKISPPFCVFPFATTNNMGSALLAIDLGLMGPNYISITACATSNY 176
 LSKRMDKFMVLTAGKALADGGITE--DVMKEL---DKRAGVLIG--SAMGMKVFNDIAEAL-RIS-----YFKMNPFCVFPFATTNNMGSALLAIDLGLMGPNYISITACATSNY 176
 LSKRMDKFMVLTAGKALADGGITE--EVMKEL---DKRAGVLIG--SEMGMKVFNDIAEAL-PVS-----YFKMNPFCVFPFATTNNMGSALLAIDLGLMGPNYISITACATSNY 176
 LSKRMDKFMVLTAGKALADGGITE--DVMKEL---DKRAGVLIG--SEMGMKVFNDIAEAL-RIS-----YFKMNPFCVFPFATTNNMGSALLAIDLGLMGPNYISITACATSNY 176
 LSKRMDKFMVLTAGKALADGGITE--EVMKEL---DKRAGVLIG--SAMGMKVFNDIAEAL-RVQ-----YFKMNPFCVFPFATTNNMGSALLAIDLGLMGPNYISITACATSNY 176
 LSKRMDKFMVLTAGKALADGGITE--DVMKEL---DKRAGVLIG--SEMGMKVFNDIAEAL-PVS-----YFKMNPFCVFPFATTNNMGSALLAIDLGLMGPNYISITACATSNY 176
 LSKRMDKFMVLTAGKALADGGITE--DMKDEL---DKRAGVLIG--SAMGMKVFNDIAEAL-RIS-----YFKMNPFCVFPFATTNNMGSALLAIDLGLMGPNYISITACATSNY 176
 EE-----ALKQAKAEDVDHNETLVN-----IGTCMSDLEH-----IG-ETAQKVSE-----GQS-----FRVSPYFVPRILNLPAGYVANKYKMFQGVESTSTACATSLH 169
 DERFTSSFIKLALRTTYEALHNAGLNPNDTINTSLNLDHFGCLIG--SGISIQDIQVTSLSJFHNDN-----FR INPYFVFK ILTNMAAGNVSIFKFNIRGLSHSVSTACATSNY 192
 EQKMDAFIQYGVIVAGVQAMQDSGLE-----ITEE-----NATRIGAAIG--SGIGGLGLIEENHTSLMNGG-----PRKISPPFFPIVATITMGSALLAIDLGLMGPNYISITACATSNY 169
 VVRFMSDASTYAFLSMEQAIADAGLSPEA-----YQ-----NNPRVGLIAG--SGGG-----SPRFQVFGADAMRGPR--GLKAVQVYVVTKAMASGVSACTATPFKIHGVNYSISSACATSAH 168
 DMRMSYVQRMGKLLGGQLWESAG-----SPEV-----DPRFAVVVG--TGLGSAERIVESYDLNNAAGP-----FKVSP LAVQMIMPNGAAAVIGLQLGARAGVMTVVSACSSGSE 176
 ELRRMGLQRMSTVLSRRLWENAG-----SPEV-----DTNRLMVSIG--TGLGSAEELVFSYDDNMRAGM-----KAVSPLTVQKMPNGAAAVGLERHAKAGVMTVVSACASGAE 196
 QAHTMDPQLRLLEVSIEAIVDGGINPASLR-----GNTGVMVGVSGSEASEALSRDPETLLG-----YSMVGCQRAMMANRLSPFFDFKGPSIALDTACSSLL 175
 QLVSMDFRFSLLAVIAATEAMKQAGL-----SCDEQ-----NAHRFGAAMG--LGGPQWDTIEETYSRSLLDGVTRARIFTAPKG-----MPSAAAGHVUSIFLGLRGPVFGVTSACAAAGNH 167
 QARLDRAGQFALVAGQALADSGL-----RIDED-----SAHRVGVGVG--TAVGCTQKLESEY--VALSAGGAHVVDPGRGSPELITYFVTPSSLAEEVAVLAGAEGPVNIVSAGCTGGID 174
 ENKRMDFCHFAVCASQQAINDAVLV-----INEL-----NADEIGVLIG--TGIGGLKVLEDDQOTILLDKG-----PSRISPPFI PMMIANMASGLTAINLGAQVPMNITVTAAGAASN 172
 DLRKMDLFIQYGIAAAEQALTDSGLE-----ITEQ-----NATRIGTAIG--SGIGGLGLIEQNVHVSFKVG-----ARKVSPFFPIVATITMGSALLAIDLGLMGPNYISITACATSNY 197

Figure 12-2

LADAGVSPEDVNY INAHATSTPAGDLAEINAIAIKRVF---GQNS-ELKVNSTKSMIGHLLGAAGGLEAIAIVKAIRGTGWIHPTINLENP-----DPGVLDLLVGNKK-----EQHEVKVAL 370 380 390 400 410 420 430 440 450 460 470 480
 LEDAGVSPEEVNY INAHATSTLAGDLAEINAIAIKRVF---KSTS-GIKINATKSMIGHCLGAAGGLEAIAIVKAIINTGWLHPSINQFNP-----EQAVDFDT-VFNEK---KQHEVDVAI 411
 LEDAGVSPEEVNY INAHATSTLAGDLAEINAIAIKRVF---KSTS-GIKINATKSMIGHCLGAAGGLEAIAIVKAIINTGWLHPSINQFNP-----EPAVDFDT-VANEK---KQHEVNVAI 409
 LEDAGVSPEEVNY INAHATSTLAGDLAEINAIAIKRVF---KNTK-DIKINATKSMIGHCLGAAGGLEAIAITIKGINTGWLHPSINQFNP-----EPSVEFDT-VANKK---QOHEVNVAI 330
 LEDAGVSPEEVNY INAHATSTLAGDLAEINAIAIKRVF---KNTK-EITINATKSMIGHCLGAAGGLEAIAITIKGINTGWLHPSINQFNP-----EPSVEFDT-VANKK---QOHEVNVAI 421
 LEDAGVSPEEVNY INAHATSTLAGDLAEINAIAIKRVF---KNTK-DIKINATKSMIGHCLGAAGGLEAIAITIKGINTGWLHPSINQFNP-----EPSVEFDT-VANKK---QOHEVNVAI 410
 LRDAGVAPEEVNY INAHATSTLAGDLAEINAIAIKRVF---KNTK-EIKINATKSMIGHCLGAAGGLEAIAITIKGINTGWLHPSINQFNP-----EPSVDFNT-VANKK---QOHEVNVAI 408
 LEDAGVSPEEVNY INAHATSTLAGDLAEINAIAIKRVF---KNTS-EIKINATKSMIGHCLGAAGGLEAIAITIKSITGWLHPTINQFNP-----EPEVDFDT-VANEK---KQHEVNVGI 407
 LVDAGVSPEEVNY INAHATSTLAGDLAEINAIAIKRVF---KNTS-DIKINATKSMIGHCLGAAGGLEAIAICVKAITTTGWLHPTINQFNP-----EPSVEFDT-VANKK---KQHEVNVAI 409
 LAUSVSREDVNY INAHATSTPAGDIKEYQALIHCF---GQNN-ELKVNSTKSMIGHLLGAAGGLEAIVSVQVARTGWIHPTINQFNP-----EPQVTITD-VFNVK---KQHEVNVGI 400
 LAQSGVSREDVNY INAHATSTPAGDIKEYQALAHCF---GQNS-ELRVNSTKSMIGHLLGGAGGVEAVVQVARTGWIHPTINQFNP-----DEGVDTKLLVGPCK---ERLINIKVGL 401
 LAQSGVSREDVNY INAHATSTPAGDIKEYQALIHCF---GQNR-ELKVNSTKSMIGHLLGAAGGLEAIVSVQVARTGWIHPTINQFNP-----DEGVDTKLLVGPCK---ERLINIKVGL 401
 LAQSGVSKEDVNY INAHATSTPAGDIKEYQALAHCF---GQNS-ELRVNSTKSMIGHLLGAAGGLEAIVTVQVARTGWIHPTINQFNP-----DEGVDTKLLVGPCK---ERLINIKVGL 401
 LAQSGVSKEDVNY INAHATSTPAGDIKEYQALAHCF---SQNS-ELRVNSTKSMIGHLLGAAGGLEAIVTVQVARTGWIHPTINQFNP-----DDGVDAKLLVGPCK---ERLINIKVGL 401
 LADSGVAREEVNY INAHATSTQSGDLKEYEATVRCF---GQNP-QLRVNSTKSMIGHLLGAAGGLEAIVACVQVARTGWIHPTINQFNP-----EKVVDVGVLVGSEK---ERCEVKVAL 401
 LADAGVTRQDINYNVNAHATSTQGLDKEFEALRCF---GQNP-QLRVNSTKSMIGHLLGAAGGLEAIVAAIQVARTGWIHPTINQFNP-----EKVVDVGVLVGSEK---ERCEVKVAL 401
 LARSGVSKEDVNY INAHATSTPAGDLKEYEALMRCF---SQNP-DLRVNSTKSMIGHLLGAAGGLEAIVAAIQVARTGWIHPTINQFNP-----EEGVDTKLLVGPCK---ERLDIKVAL 401
 IGVNAHLEPKDIGVNAHATSTPAGDCAEVAEAV-RQVFEQVIA-----VSSVKGHIGHLLGAAGGLEAIVAAIQVARTGWIHPTINQFNP-----ETDEGNGINLLRENQKWSVSGNKSRSI 395
 LKMARLEPTDVIDVNAHATSTLLGDKAECCLAVASALLPGRSKSPKLYISSNKGAIHLLGAAGGLEAIVAAIQVARTGWIHPTINQFNP-----ETDEGNGINLLRENQKWSVSGNKSRSI 395
 LRDAGIEASQIGVNAHATSTPAGDKAEVAQVKTIF---GEAASRVLSVSTKSMIGHLLGAAGGLEAIVAAIQVARTGWIHPTINQFNP-----DEGCDLDFVPHEAR---QVSGMEYTL 395
 MHGVDTF---IDYLNHSGTSTPVGDKELAAIREVF---GDKS---PAISATKAMTSHLSGAGGVEAIVAAIQVARTGWIHPTINQFNP-----DEGCDLDFVPHEAR---QVSGMEYTL 395
 LELAGLSPADIDHVNAGHTATPIGDAAEANAIRVA---GCDQ---AAVYAPKSAHLSGAGGVEAIVAAIQVARTGWIHPTINQFNP-----DPEIDLVDVAGEPR---YGDYRYAV 398
 IQLAGLAPGDIHVNAGHTATPIGDAAEANAIRVA---GCDQ---AAVYAPKSAHLSGAGGVEAIVAAIQVARTGWIHPTINQFNP-----DPEIDLVDVAGEPR---YGDYRYAV 398
 YQPGGVAPESLEYIEAHGTGTGVDPOELNGITRSICAFRQSP---LLIGSTKSNMCHPERASGLAALTKVLLSLENGVMAFNHFNHP-NPEIPALLDGRQLQWDRP---LPVRGGIVGI 420
 LADAEINPDDVDYLNAGHTGTIVANDEMATAIKRVF---GDHAFQMSVSTKSMHAHCLGASALEMAIAVQVARTGWIHPTINQFNP-----DPQCDLVDVTPNVPR---EQR-C-GSM 399
 LDEARRDPDSDVDYLNAGHTATKQNDRHETSAPKRSI---GEHAYRVPISSITKSMIGHLSGAGGVEAIVAAIQVARTGWIHPTINQFNP-----DPEIDLVDVPLTAR---EKR-VRHAL 399
 LKDSGLKPEMVSYINAHGTSTPANDVTETRAIKQAL---GNHAYNIAVSTKSMIGHLLGGSGGIEAIVAAIQVARTGWIHPTINQFNP-----DPECDLVDVPGQSR---ALI-VDVAL 397
 IADAGITADKGVYNAHGTSTPAGDKAEATAVKSUF---GEHAYTIAVSTKSMIGHLLGAAGGLEAIAIFTTILAKDQILPPTINLENP-----SEGCDDLVDVTDGAR---PVN-MEVAL 422

Figure 12-4

At KAS1.pro
 Br Kas 50.pro
 Ch KAS I .pro
 Ch KAS1-1.pro
 Cpu KAS I .PRO
 cpuKAS1-1.PRO
 Hv Kas12.pro
 Rckas50.pro
 Cc Kas.pro
 Ch KAS IV-1.pro
 Ch KASIV.pro
 Cpu KASIV.pro
 Cw KASA-1.pro
 Cw Kasa-2.pro
 Hv KasORF22(KAS I)
 Hv KasORF25(KAS I)
 Rckas46.pro
 Ce.KAS.PRO
 CEM.pro
 Ec KAS II.pro
 Ec KasI.pro
 M.tub.KasA.pro
 M.tub.KasB.pro
 Rat. Kas.pro
 RNode.pro
 StrepPolyk.pro
 SYN KAS.pro
 J.pro

SNSFGFGGHNSSVAFAPFK--

490 500

At KASI.pro	SNSFGFGGHNSSVAFAPFK-P	431
Br Kas 50.pro	SNSFGFGGHNSSVAFAPFK-P	429
Ch KAS I .pro	SNSFGFGGHNSSVAFAPFK-P	350
Ch KASI-1.pro	SNSFGFGGHNSSVAFAPFK-P	441
Cpu KAS I.pro	SNSFGFGGHNSSVAFAPFK-P	430
cpuKASI-1.pro	SNSFGFGGHNSSVAFAPFK-P	428
Hv Kas12.pro	SNSFGFGGHNSSVAFAPFK-P	427
RcKas50.pro	SNSFGFGGHNSSVAFAPFK-P	428
Cc Kas.pro	SNSFGFGGHNSSVAFAPFK-P	420
Ch KAS IV-1.pro	SNSFGFGGHNSSVAFAPFK-P	420
Ch KASIV.pro	SNSFGFGGHNSSVAFAPFK-P	420
Cpu KASIV.pro	SNSFGFGGHNSSVAFAPFK-P	420
Cw KASA-1.pro	SNSFGFGGHNSSVAFAPFK-P	421
Cw Kasa-2.pro	SNSFGFGGHNSSVAFAPFK-P	420
Hv KasORF22(KAS I)	SNSFGFGGHNSSVAFAPFK-P	420
Hv KasORF25(KAS I)	SNSFGFGGHNSSVAFAPFK-P	419
RcKas46.pro	SNSFGFGGHNSSVAFAPFK-P	420
Ce.KAS.PRO	SNSFGFGGHNSSVAFAPFK-P	414
CEM.pro	SNSFGFGGHNSSVAFAPFK-P	442
Ec KAS II.pro	SNSFGFGGHNSSVAFAPFK-P	410
Ec Kasi.pro	SNSFGFGGHNSSVAFAPFK-P	406
M.tub.Kasa.pro	SNSFGFGGHNSSVAFAPFK-P	416
M.tub.KasB.PRO	SNSFGFGGHNSSVAFAPFK-P	438
Rat. Kas.PRO	SNSFGFGGHNSSVAFAPFK-P	418
RtNode.pro	SNSFGFGGHNSSVAFAPFK-P	401
StrepPolyk.pro	SNSFGFGGHNSSVAFAPFK-P	419
SYN KAS.pro	SNSFGFGGHNSSVAFAPFK-P	416
V.pro	SNSFGFGGHNSSVAFAPFK-P	441

Figure 12-5